Panel (C.P.) Auditor

(1953) Department.

MS **SERIES.**

G.O. MS No. 2161

Dated 13-8-1953

passed
[signature]
superintendent

FOR MYSORE STATE

[Despatch Abstract.]

Community projects. South Kanara District - Block II - Drinking water Supply - Sinking ~~at~~ a well in Thumbe in S.No. 121/2 of Bentwal Cora village, Mangalore Taluk - Estimate - Sanctioned

18131

Ref.C.No.1420/53-B.

Project Executive Office, S. Kanara, Mangalore, dated 1-6-1953.

ACCOUNTS SECTION OFFICER, (COMMUNITY PROJECTS,) 4 JUN 1953 GOVERNMENT

From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects and Ex-Officio Secretary to Govt.,
Fort St.George, Madras 9.

.....

Sir,

Sub: COMMUNITY PROJECTS - South Kanara - Block II - Drinking water supply - Sinking of a well in S.No.121/2 of Buntwal Casba village - Estimate - Sanction - Requested.

*****

I submit herewith an estimate in duplicate for sinking a drinking water well at the locality called Thumbe in S.No.121/2 of Buntwal Casba village. The particulars required are furnished below:-

1.	Block No.	I.
2.	Name of work.	Sinking a drinking water well in S.No.121/2 of Buntwal casba village at the locality called Thumbe.
3.	Whether the work was approved by the Project Advisory Committee and is included in the work programme.	Yes.
4.	Cost of work.	Rs. 3,350/-
5.	Villagers' contribution.	Rs. 1,350/-
6.	Expenditure to be borne by the Community Project.	Rs. 2,000/-

7. Remarks:

The proposal is to sink a drinking water well at the locality called Thumbe in Buntwal casba village, where there is acute scarcity of water especially during the summer months. There is no public well in the locality. The private wells dry up in the months of February or March. No Government land is available at the place for sinking the well. Smt.Amba Bai, owner of S.No. 121/2 has agreed to gift away 1/2 a cent of this plot for the purpose of sinking the well. The plot is centrally situated and it is proposed to sink the well here. The registered holder has relinquished the plot and action is being taken to classify it as "Poramboke well". The Health Inspector, Buntwal has certified that there is no objection to dig up a well at the place selected from the sanitary point of view. The well will benefit more than 100 persons in the locality. Its estimated cost is Rs. 3,350/- The beneficiaries have promised to contribute Rs. 1,350/- and want that the balance of Rs. 2,000/- should be borne by the Community Project. The contribution promised works out to 40%. The work was started by the villagers on 13-4-1953 (Baisaki Day) I recommend that the estimate may be sanctioned for Rs. 2,000/-

PROJECT EXECUTIVE OFFICER.

Enclosure: Estimate in duplicate.

T/-.6.

Public (C.P. Audit) Dept.

C.No. 18131/53/

Memo: No. 18131-Public (C.P. Audit)/53-1, dt/9-6-53

Subj: Community Projects - South Kanara District - Block II - Drinking water Supply - Sinking of well in S.No. 121/2 of Buntwal Casba village, Mangalore Taluk - Estimate -

Ref:- From the P.E.O., Mangalore, Ref C.No. 14.20/53-B, dated 1-6-53.

The plan and estimate received with the P.E.O's letter cited, are returned herewith with the following remarks:

(i) The probable depth of summer water level with reference to existing wells closely may be indicated.

(ii) The basis on which the different types of soil and sub-soil are assumed to be met with in excavation may be noted in the report.

(iii) The availability of adequate supply of water at the depth proposed for the well should be commented upon.

(iv) The particulars about budget provision as indicated in the last sentences of para 3, of Memo No. 12063-Public (C.P. Audit)/53-1, dated 26-5-53, may be furnished.

The plan & estimate ~~should be~~ ~~resubmitted expeditiously along with~~ ~~the particulars asked for above~~ may be returned with the reply.

8-6-53

To

The P.E.O., Mangalore.
(with enclosures).

R.A. 3 months
E.R. 3: 6.53
R.D.

Ref.C.No.1420/53-B. Project Executive Office, S.Kanara, Mangalore, d/- 30th July 1953.
*****

ACCOUNTANT GENERAL (COMMUNITY PROJECTS) 3 AUG 1953 PUBLIC DEPARTMENT MADRAS
23180

From

Sri G.Simhadri,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects and Ex-Officio Secretary to Govt., Fort St.George, Madras 9.

Sir,

Sub: COMMUNITY PROJECTS - South Kanara - Drinking water supply - Sinking a well in S.No.121/2 of Buntwal Casba - Estimate - Sanction - Further report - Submitted.

Ref: Government Memorandum No. 18131, Public, (C.P.Audit)/53-1 dated 9-6-1953.
*****

Replies to paragraphs 1 to 3 of the Government Memorandum cited are contained in the report 204-E dated 28-7-1953 of the Assistant Engineer (C.P.) which may kindly be perused. His remarks are endorsed.

2. The work has been included in the overall programme approved in Government Memorandum No. 22066, Public (C.P.)-I/53-1 dated 21-7-1953 and the sanction is to be counted against the provision in item II-E of the Project Estimates approved by the Community Projects Administration in their letter No.CPA.33/5/52 dated 31-3-1953. The estimate which is resubmitted herewith may kindly be sanctioned for Rs. 2,000/-

p.t.o.

as recommended in my report Ref.C.No.1420/53-B. dated 1-6-1953.

PROJECT EXECUTIVE OFFICER.

T/30.7.

[C.No 18131/53]

Public (C.P.Audit) Dept.

G.O.Ms.No. 2161, dated 13-8-53

Abstract:- Community Projects - South Kanara District - Block II - Drinking water supply - Sinking at Thumbe a well in S.No. 121/2 of Buntwal Casba village, Mangalore Taluk - Estimate - Sanctioned -

Read:- From the P.E.O., Mangalore, Ref. C.No. 1420/53-B. D/30-7-53.

Order:-

Sanction is accorded to an expenditure not exceeding Rs. 1950/- (Rupees one thousand nine hundred and fifty) only out of the estimated cost of Rs 3300/- for sinking at Thumbe a drinking water well in S.No. 121/2 of Buntwal Casba village, Mangalore Taluk. The balance of Rs 1350/- required for the completion of the work should be met by contributions from the beneficiaries. This sanction is counted against the provision in item II-E. of the Project Estimates of the Area approved by C.P.A., in their letter No. CPA/33/5/52, dated 31-3-53.

2. The expenditure should be debited to "63-B. Community Development Projects - F. Public Health - Health and Rural Sanitation (including Drainage and water supply) - 1 Works".

3. The P.E.O., Mangalore, should get the work executed according to the plans and estimates

~~202~~
XR 8

estimate herewith returned approved and submit a copy of the completion report to Govt in due course. He should arrange to get the legal title to the land transferred (by registered deed) to Govt before expenditure is incurred.

10/8/53. 11/8/53. 11/8

(By Regd Post)

To.

The P.E.O., Mangalore (with enclosures)
" A.G. Madras.

Copy to The Secretary, C.P.A., Rashtrapati Bhavan New Delhi

The Collector, South Kanara.
" Sri. A. Balakrishnan B.A.B.L. I.A.&A.S. A.G., Madras.
" Pub (C.P. Accts) Deptt
" Pub (C.P. Tech) Deptt

—

S.F. 2
spare 1
C.B. 4 Months.

(Jr Insp IWEK RP) KG 17.8.53

Entered in C.B. as item No. 188
Copy put up.

To be reopened

204 E
28/7.

Office of the Asst.Engineer, C.P.
Mangalore, d/- 17th July 1953.

From

Sri U.A.Gaffoor, B.E.,
Asst.Engineer, C.P.,
Mangalore.

To

The Project Executive Officer,
Mangalore.

.....

Sir,

Sub: Community Projects - South Kanara District - Sinking a well in S.No:121/2 of Buntwal Casba village - Mangalore Taluk.
Ref: No.18131, Pub.(C.P.Audit)/53-1 dated 9-6-1953.

.....

1. Most of the wells in the locality are between 30 to 35 feet deep. 30 feet to 32 feet deep well will have 1 to 1½ feet of water in summer. Hence a well of 35 feet depth will be quite suitable compared to the adjoining wells.

ii) The different types of soils noted in the estimate is on account of the study of the well work in progress in the locality by a private person and in consultation of the local people.

iii) This year is supposed to be the most dry year and even this year there was water in the wells which are 32, 33 feet deep and hence a depth of 35 feet proposed will suit.

iv) Para 4 may be replied to from the office.

U. A. Gaffoor
28/7/53

ASST.ENGINEER, C.P.,

Report to accompany the estimate for excavation of
Sinking works well at Tunbridge in [illegible] 12"/12.15"

The external pressure, for a
... a depth of works well in hard gravelly soil
... the [illegible] depth of [illegible] ... 30 ft in
... with clinker [illegible] ... [illegible] ... and loose
... [illegible] ... the pressure per [illegible] ... C
... [illegible] ... [illegible] ... [illegible]

23/ 4.63 T5

DETAILED ESTIMATE. 421;104—17-11-52. O.P. 180 (1).

District South Kanara — Taluk Mangalore

Village and Survey — Date and cost of original construction

Name and number of work Excavation of a drinking water well @ Tumba in S no 121/2. — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
I Earthwork open well excavation Complying with relevant clauses of S.S. well sinking and with a lead of 10 yards						
1st depth 6'0 in hard rock	1	22/7	16'-0 x 16'-0 / 4	6'-0	1207 Cft	≈ 1200 Cft
2nd depth in disintegrated rock 6'0 to 12'0	1	22/7	14'-0 x 14'-0 / 4	6'-0	924 Cft	≈ 925 Cft
3rd depth 12'0 18'0	1	22/7	14'-0 x 14'-0 / 4	6'-0	924 Cft	≈ 925 Cft
4th depth 18'0 to 24'0	1	22/7	14'-0 x 14'-0 / 4	6'-0	924 Cft	≈ 925 Cft
5th depth 24'0 to 30ft	1	22/7	14'-0 x 14'-0 / 4	6'-0	924 Cft	≈ 925 Cft
well Sinking in Sand or soft rock under water. 8'-0 diameter ~~from 30ft~~ water level at 30ft below G.L.					5 Rft	5 Rft
II R.C. curb water cement Concrete 1:2:4 as per departmental design	1	22/7	9'-6" x 1'-9"+0 / 2 x 1'-3"		33.64 ~~33.5 Cft~~	33. ~~34 Cft~~
III Laterite stone in CM 1:4 for (a) steining and retaining wall of platform —						
1st footing —	1	22/7	9'6" x 1'6" x 2'-0		90 8.35 ~~8.38~~	
2nd footing —	1	22/7	9'-3" x 1'-3"	2 3½		
3rd footing —	1	22/7	9'-0 x 1'-0	10'-0	283	
parapet wall.	1	22/7	8'-9" x 0'-9" x 3'-0		62	
retaining wall of platform	1	22/7	18'6" x 1'-0 x 2'-0		116	
extras					14 ~~11~~	
				Total	1400	1400 Cft
(b) Laterite in CM 1:4 for leading drain.						
drain at pillars — pillars	1x3	1'-6"	1'-6"	3'-0	20	
Projections of the pillars	1x3	1'-6"	0'-9"	3'-0	10	
leading drain.	1	15'-0	2'-3"	2'-0	68	
deduct to drain pipe	1	15'-0	0'-9"	0'-9"	8	
				Total	90	≈ 90 Cft

42 78
14

C.F. 160 (1)

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity or each description of work.
IV Concrete Broken Stone Cement Mortar 1 & 8						
under retaining wall of the platform	1	22/7	18'-6" x 2'-0"	x 1'-0	116	
platform	1	22/7 x	13'-6 x 4'-6"	0'-6"	57	
under the leading chain	1	15'-0	3'-3"	1'-0"	49	
~~Coping over the platform~~ Bed for stone flooring	1 x 3	1'-6"	1'-6	0-6	3	
				Total	2254	2254
cut stone finely dressed and set in C M 1:4						
Steps	1 x 18	1'-6	0-6	0-6	6 75 Cft	
for Coping of parapet wall	1 x 3	3'-0	0'-9"	0-6	3 37	
				Total	10 12 Cft	11 Cft
plastering with C M 1:4 ½" thick					377	
Steening of the well 10' inside	1	22/7 x 8'-0		15	75	
inside of parapet wall	1	22/7 x 9'-0		3'-0	21	
top of parapet	1	22/7 x 9'-9"	0'-9"	—	90	
outer face of Parapet	1	22/7 x 9'-6"		3'-0	90	
~~platform~~	1	22/7 x 18'-6"	2'-0"	—	116	Not necessary : the top of the cement concrete bed of the platform may be finished off by trowelling.
top of the retaining wall & platform at edge of platform	1	22/7 x 18'-6"	0-6	—	31	
outer face of the retaining wall	1	22/7 x 19'-6	0-6	—	63	
pattern all round.	1 x 3	6'-0	3'-6	—	14	
pattern projecting	1 x 3	1'-6	3'-0	—	7	
pattern top	1 x 3	1'-6"	1'-6"	—	7	
drain & top	1	15'-0	5'-0	—	75	
		extras			31	
				Total	968	900 sq ft
VII Covering wood blocks & put up	1 x 3	9'-0	0'-4"	0'-7"	5.25 Cft	5.25 Cft
VIII Providing Iron pulleys 6" diameter					3 No	3 No
IX Baling water during execution					LS	LS
X superintendence charges					LS	LS
XI 12½ % Contingencies						

E. Lukemeyer Chief Supvr. 9.P.82 20/4/82

B. Muzumdar 25/4/82

P.W.D. V-89—17 205—20-1-53

Data sheet to accompany the estimate for [illegible]

[illegible] Tenancies etc. S. No.

Quantity	Description of wor	Rate.	Per.	Amount.	Total.
		RS. A. P.		RS. A P.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

P.W.D. V-39—17 205—20-1-53

Data sheet to accompany the estimate for _____

Quantity	Description of wor	Rate. Rs.	A.	P.	Per.	Amount. Rs.	A	P.	Total.
	B.F.					40	5	1	
96 Cft	Stone lead 7½ M.E.	1	6	0	100 Cft	57	0	0	
48 Cft	Sand Cart	2	0	0	100 Cft	1	3	2	
24 Cft	Cement Cart.	87	8	0	0.32	84	0	0	
						3	6	0	
48 Cft	Sand lead 1M.R.	7	0	6	100 Cft				
24 Cft	Cement lead 1M.R.	49	12	6	100 Cft	11	15	3	
4 Each	Mason (2nd class)	2	12	0	each	2	12	0	
1 No.	Mason (2nd class)	2	8	0	each	2	8	0	
1 No.	Mate Mason	1	8	0	each	1	8	0	
10 No.	Women Mazdoors	0	12	0	each	7	8	0	
						8	3	7	
					Total	169	4	0	169 4/0
	(5) Reinforced Concrete Cement 1:2:4 1 mm thick of reinforcement and Vertical rods 5:0 inch wt.	89.							
1 Cft	Concrete 1:2:4	169	4	0	1 Cft	1	11	0	
4 Nos	Steel (including bending ends of bars in position)	0	6	0	lb	1	8	0	
						1	1	0	
1 Cft	Centering and shuttering					1	8	8	
		5	8		Total	3	12	8	8 12/16
						4	4	0	4 4/0
	(6) Lakanti Stone in C.M. 1:4 in the								
11 Cft	Lakanti Stone	58	0	0	100 Cft	63	12	0	
110 Cft	Stone lead 1½ M.R.	9	6	0	100 Cft	10	5	0	
18 Cft	Cement Mortar 1:4	114	0	0	100 Cft	20	8	4	
2 Nos	Brick Layers (2nd class)	3	2	0	each	6	4	0	
5 Nos	Stone cutters (2nd class)	3	8	0	each	17	8	0	
1 No.	Mason (2nd class)	1	8	0	each	3	0	0	
1 No.	Mason (2nd class)	1	8	0	each	3	0	0	
4 Nos	Women Mazdoors	3	0	0	each	3	0	0	
1 No.	Head Mason (1st class)	3	0	0	each	3	0	0	
LS	Small items					125	0	0	128/-
	(7) Lakanti Stone in C.M. 1:4 for well steining								
1 Cft	Lakanti Masonry	128	0	0	100 Cft	128	0	0	
2 Nos	Mazdoors for steining	3	2	0	each	6	4	0	
					Total	134	4	0	134 4/0

P.W.D. V-39—17 205—20-1-56.

Data sheet to accompany the estimate for _____

Quantity	Description of wor.	Rate.	Per.	Amount.	Total.
	(8) Centering wood work in roof and fur ings.	RS. A. P.		RS. A P.	
1 Cft	C.c in fine in Scantling	7 0 0	Cft.	7 0 0	
2 No	Carpenter	3 6 0	each	1 11 0	
1 No	Man Mazadoor	1 8 0	"	1 2 0	
1 Cft	wood lent 17 MR	47 10 0	100 Cft	0 7 6	
Ls	Sundries			0 5 5½	
			Total	11 0 0	11 %
	(9) cut stone fully dressed to finish cut in C M 1 4.				
1 Cft	cutstone	6 0 0	Cft	6 0 0	
1 Cft	Stone lent 1½ MR.	11 4 0	100 Cft	0 1 10	
Ls	Sundries, mason's implements & tools		5%	0 1 2	
			Total	6 2 0	6 %
1 No	(10) Iron hanger bolt in roof to fix pulley block & rope	4 0 0	each	4 0 0	4 %
	Lead Statement.				
	Stone 1½ MR				
	Sand 1 MR				
	cut-stone 1 MR				
	Cement 17 MR (Mazdoor)				
	Wood 1 CFt				
	Certified that the above lead and rates are proper and fair for the work & are correct. No time book for any labour is maintained by the undersigned.				
	(11) plastering with CM 1:4 ½" thick.			Rs. Ps. Cft. Rs.	
5 Cft	Cement-Mortar 1:4	114 0 0	100 Cft	5. 11 7	20/4/13
1 No	Brick Layer (2nd class)	2 12 0	each	2 12 0	
½ No	Man Mazadoor—	1. 8. 0	"	0. 12 0	
1 No	Woman Mazadoor.	0. 12 0	"	0. 12 0	
Ls	Sundries.			0. 2. 10	
				10-2-0	10 %

Bldg. works clerk 25/4/13 — Sub-Engineer Cum P.O. 26/4/13

29 220 177 8

Abstract Estimate.

C.F. 150. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4)	Per (5)	Total. (6)	Amount. (7)
			Rs. A. P.		Rs. A. P.	Rs. A. P.
	I Earth work open dish excavation complying with relevant clauses of SE with sinking with a lead of 10 yards.					
200 cft.	1 ft depth in hard ground		21 0 0	100 cft	26 0 0	
925 cft	2nd depth in disinte ground		43 8 0	1000 cft	40 0 0	
925 cft	3rd depth — " —		65 0 0	1000 cft	60 0 0	
925 cft	4th depth — " —		97 7 0	1000 cft	90 0 0	
925 cft	5th depth — " —		146 3 0	1000 cft	35 0 0	
5 Rft.	Well sinking in sand & light soil under water 8'0 diameter with top ring water level at 30 ft below		22 0 0	Rft	110 0 0	
33 cft	II R C C in with Cement Concrete 1:2:4 as per design		4 4 0	cft	140 0 0	
1400 cft	III (a) Laterite Stone in CM 1:4 for retaining wall of platform		134 4 0	100 cft	1880 0 0	
90 cft	(b) Laterite Stone in CM 1:4 for pillar and arch		28 0 0	100 cft	115 0 0	
225 cft	IV Concrete Broken stone in CM 1:4 &		101 12 0	100 cft	229 0 0	
11 cft	V cut stone fully dressed to face and set in CM 1:4		6 8 0	cft	72 0 0	
	Supervision charges at 5 per cent.				2607 0 0	
				Grand total, Estimate		

Divisional officer (or other countersigning officer to be named).

Signature and designation of the officer submitting this estimate.

Sanctioned for 19 –19 .

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named).

Abstract Estimate.

C.F. 150. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4)	Per (5)	Total. (6)	Amount. (7)
900 +100 Ch	VI Plastering with C.M. 1:4. ½" thick		Rs. A. P. B F 10 0 0 100 Sft 10 2 0		2897 Rs. A. P. 2427 0 0 446 0 0 91 - -	Rs. A. P.
5 25 Ch	VII Country wood brought and put up		11 0 0 Ch		61 0 0 58 - -	
3 Nos	VIII Providing Iron tulips 6" diameter		4 0 0 each		12 0 0	
Ls	IX Bathing water pump erection				50 0 0	
Ls	X other unforeseen items				34 0 0 158 - - 158 0 0	
Ls	XI P.S. and Contingencies Total.				3300 0 0 3300/-	3300 0 0

Supervision charges at 5 per cent.

Grand total, Estimate .. Rs ~~3350~~ 3300/-

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 -19

Collector or other sanctioning officer (to be named).

R. Subbaraya Chetty
Signature and designation of the officer submitting this estimate.
Supvr Cl Sk

25/4/50
Tahsildar or other officer (to be named).

22

Specification.

C.F. 160 (2)—342,006—24-10-51.

Amount of Estimate. Rs 3300/-
Amount of Contribution Rs 1350/-
Amount of Sanction Rs 1950/-

District South Kanara

Taluk Mangalore.

Village No.

Name of Work No. Excavation of a drinking water well at Tumbe in S.No 121/2

ESTIMATE ABSTRACT.

Sanctioned for Rs 1950/- (Rupees One thousand nine hundred and fifty) only.

8/c 11/8/53
for A.C.P.

for 1/2
10/8/53.

10/8 8/10/8/53 11/8/53

Budget head

Main head

Sub-head

Amount of estimate Rs ~~3350/-~~ 3300/-

Sanction number and date

To be carried out by Community Project

C.F. 32) —70,10,558—20-1-54.

Department | Received ✓ Registered

From (Name) Sri. H. Narasimha,

Designation Project Executive Officer,

Station South Kanara, Mangalore.

To

The Director [illegible] Community Projects,

[illegible] Secretariat, Madras.

ASSISTANT SECRETARY TO GOVERNMENT (PUBLIC DEPT.) 25 AUG 1954 339

Enclosures: Ref.C. No. 1420/53-P. dated 19-8-1954. 195 .

Sir,

Community Projects--South Kanara--Block II--Drinking Water Supply--Construction of a well at Thumbe in Puttur Kasba Village--Supplemental Estimate--Sanction--Sought.

Ref: G.O.Ms.No.2161 Public (C.P.) Dept. dated 19-8-1953.

In the G.O. cited sanction was accorded to an expenditure not exceeding Rs. (1950/-) one thousand nine hundred and fifty only out of the estimated cost of Rs.3300/- for sinking a drinking water well at Thumbe in Puttur Kasba Village, Mangalore Taluk. The balance of Rs.1350/- required for the completion of the work had been ordered to be met by contribution from the beneficiaries.

The sanctioned estimate is for 8'-0" diameter and 35 feet depth. It is now found that during the actual execution of the work hard rock was met with at 30 ft., from the ground level. Expecting water between 35 to 40 ft., the beneficiary was asked to go ahead with the blasting of the rock. After blasting the rock, hard gravelly soil and disintegrated rock was met with at 34 ft. depth, but no water was available. Further deepening was done and at 37th ft. water was met with to a standing depth of 3 to 3½ ft.

No provision was made in the original sanctioned estimate for the blasting of 1 ft. of rock within the well. The lump sum provision of Rs.192/- for petty supervision and unforeseen items provided for in the estimate, was not sufficient to meet the extra expenditure involved in this case. Hence, a revised estimate for Rs.3700/- including the ~~xxx~~ expenditure for blasting of ~~xxxxxx~~ rock etc. has been submitted by the Asst. Engineer (C.P.). It is enclosed herewith and I request that the revised estimate for Rs.3700/- may be accepted in lieu of the estimate for Rs.3300/-, and a sum of Rs. (2196/-) two thousand one hundred and eighty ~~six~~ six only, in lieu of Rs.1950/- may be sanctioned from Community Project funds. The balance of Rs.1514/- required to complete the work will be met from contribution from the beneficiaries.

1950 + 1-8 / 3300 1-6 5 2196

The original & and the revised estimates are enclosed. The original and one copy of the revised estimate may be returned along with the orders.

Yours faithfully,

[signature]

Project Executive Officer 21-8-54

Encls: estimates.

Completed 20.8.54.

ESTIMATE FORM.—Comparative Statement of Differences.

P.W.D. V-18 (inner)—60,103—18-4-50.

Description of work. (1)	Item No. (2)	Original estimate. Quantity. (3)	Rate. (4)	Amount (5)	Revised estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More (9)	Less. (10)	Explanation of difference. (11)
			RS.	RS.		RS.	RS.			
Providing and fixing iron pulleys	8	3 Nos	4-0-0	12-0-0	3 Nos	4-0-0	12-0-0			
Baling out water during excavation	9	L.S.		50-0-0					50-0-0	Not utilised
Other ancillaries of work	10	L.S.		34-0-0					34-0-0	— do —
				3142			3634			
Petty Supervision and Contingencies	11	L.S.		158-0-0			66-0-0		91-12-0	— do —
				3300-0-0			3700-0-0			

Original Estimate Amount = 3300/-

original Estimate amount (excluding P&D charges) = 3142

Revised Estimate amount as per actual (excluding P&D charges) = 3634

Excess Amount required = 3634 − 3142 = 492/-

For 3142 — 492 Excess

∴ 100 — $\frac{492 \times 100}{3142}$ = 15.66 %

S. Bhimanji Rao
Superintending Engineer
Margao.

Approved
O/C
Ur 25.9.54
D.S. (R&B) Pub. Works Dept.
21-9-54

E. A. Crasto
9/10/54
Ag EE

Constructing a Drinking water well at Thumbe, in Bantwal Casaba Village. Sanctioned for 1950.
Estimated Rs 3300/- G.O.Ms.No. 2161/13.8.53.

ESTIMATE FORM.—Comparative Statement of Differences.

P.W.D. V-18 (inner)—60,103—18-4-50.

Description of work. (1)	Item No. (2)	Original estimate. Quantity. (3)	Rate. (4)	Amount. (5)	Revised estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
Earth work-open well excavation complying with relevant Clauses of S.S. well, sinking with initial lead upto 10 yards.			RS.	RS.		RS.	RS.			
1st depth in hard gravel	"	1200 cft	21-6-0	26-0-0	1207 cft	21-6-0	25-13-0		0-3-0	Due to actual calculation without rounding off.
2nd depth in desentigrated rock	"	925 cft	43-5-0	40-0-0	924 cft	43-5-0	40-0-0			
3rd depth in do do do	"	925 cft	65-0-0	60-0-0	924 cft	65-0-0	60-1-0	0-1-0		Due to actual Calculation without rounding off
4th depth in do do do	"	925 cft	97-7-0	90-0-0	924 cft	97-7-0	90-1-0	0-1-0		do do do
5th depth in do do do	"	925 cft	146-3-0	135-0-0	924 cft	146-3-0	135-1-0	0-1-0		do do do
6th depth in hard rock	"				380 cft	192-0-0	739-9-0	739-9-0		Found necessary during actual excavation to reach water.
6th depth in desentigrated rock	"				261 cft	219-4-0	57-4-0	57-4-0		do do do
Well sinking in sand or light soil under water	4	5 R.ft	22-0-0	110-0-0					110-0-0	Reduction as the soil met with in bottom is of hard nature.
R.C. Concrete for Curb, in R.C.C. 1:2:4: as per Detail design	2	33 cft	4-4-0	140-0-0					140-0-0	do do do
Laterite stone in Cement mortar 1:4:	3(a)	1400 cft	134-4-0	1880-0-0	1475 cft	134-4-0	1980-3-0	100-3-0		Due to extra depth found necessary during actual expenditure over and above actual calculation
Laterite stone in C.M. 1:4: for parapet wall & fillister	3(b)	90 cft	128-0-0	125-0-0	90 cft	128-0-0	115-8-0	0-8-0		
Cement Concrete 1:4:8: using 1½" size metal	4	225 cft	101-12-0	239-0-0	225 cft	101-12-0	229-0-0			
Cut stone Gully dressed, and set in C.M. 1:4:	5	11 cft	6-8-0	72-0-0	6.25 cft	6-8-0	40-10-0		31-6-0	Due to deduction of Cut Stone over parapet wall.
Plastering with Cement mortar 1:4: ½" Thick	6	900 sq.ft	10-2-0	91-0-0	500 sq.ft	10-2-0	50-10-0		40-6-0	Restricted to actual requirement
Sundry wood wrought and fixed complete	7	6.25 cft	4-0-0	58-0-0	525 cft	11-0-0	58-0-0			

Memo No 339 Pub (RDP XI) 54-1 dt 22-9-54

Sub:- Chs. S. Kanara Area - Drinking water Supply - Construction of a well at Thumbe in Bunttwal-Kasba village - Revised estimate - Sanctioned.

(By regd post with ack.) Ref (11) 1) G.O. Ms. 2161 Pub (CP) dt 13-8-53
plf 2) From the PEO. Mangalore Rc. C. No 1420/53-B dated 18-8-54

Sanction was accorded in the G.O. cited, to an expenditure not exceeding Rs 1950/- out of an estimated cost of Rs 3300/- for the Construction of a well at Thumbe in Bunttwal-Kasba village. The well was to have been 35 feet deep and the soil was expected to be mostly disintegrated rock. In actual execution a total depth of 36-9" was required for assuring sufficient supply of water and hard rock requiring blasting was also met with between 30 ft and 34 ft from the ground level. Consequently the cost of the work has had to be enhanced to Rs 3700/- and the revised estimate for this amount is now approved. The amount required from CP funds is also raised proportionately to Rs 2186/-. An expenditure of Rs not exceeding Rs 236/- (Rupees Two hundred and thirty six only) over and above the sum of Rs Rs 1950/- sanctioned in the G.O. cited, is now sanctioned.

$\frac{1950}{3300} \times 3700 = 2186$ → 1

2186 - 1950 = 236 → 1

2. The expenditure should be debited to

638. C.D. Projects - f Health and rural Sanitation (works)".

3) The PEO Mangalore is requested to Complete the work early and Submit a Copy of the Completion report to Govt in due Course. The revised estimate for Rs 37000/- is hereunto returned approved, together with the Copy of the original estimate as also

4) The PEO is requested to note that when a hard rock like hard disintegrated rock or hard rock is met with at the bottom of the well, no Steining for this depth may be necessary and the excavation may therefore be restricted to the inner diameter of the well. It should also be noted that the excavated rock should normally be used either for the masonry or for the aggregate in Concrete. If however it is found not usable, the ~~rock~~ excavated stones should be sold in public auction and the amount realised credited to the work. ~~Proposals in this regard~~ should be incorporated in the estimates or revised estimates in future.

21-9-52

21.9.52

25.9.52

CENTRAL DESPATCH BRANCH

Date 25.9.52 Despatcher's Initials.

By regd. post.

To

The PEO Mangalore (W.E)

Copy to The AG. Hassan.

The Collector. S. Kanara

Pub RDP Village Tech

Public (W.P. Audit) Dept.

[illegible] No. 18131/53

Sub:- Community Projects - South Kanara Dist. Block II - Drinking water Supply — Sinking a well in S.No. 121/2 of Buntwal Casba village Mangalore Taluk — Estimate -

Ref:- From the P.E.O., Mangalore, Ref: C.No. 1420/53-B. dated 1-6-53.

Encl: 1 C.f

Please see the letter from the P.E.O., Mangalore, in the C.f. The proposal is for sinking a drinking water well at the locality called Thumbe in S.No. 121/2 of Buntwal Casba village, Mangalore Taluk.

There is no public well in the locality, and there is said to be acute scarcity of water especially during summer months with the private wells going dry. Hence this proposal for sinking the well in S.No. 121/2. The owner of this plot has agreed to gift away ½ a cent of land for the purpose. This well-site is centrally situated and has also been certified by the Health Inspector, Buntwal, as suitable. No Govt land is said to be available for sinking the well. The proposed well will benefit over 100 persons of the locality.

The well is proposed to be of 8 ft diameter and 35 ft deep. The staining is of laterite masonry in cement mortar (1:4) 35 ft high over an R.C. Curb. Provision is made in the estimate for the usual platform, parapet, pulley arrangement and lead-off drain. The work has been approved by the Project Advisory Committee and included in the Work Programme.

The Contribution by the beneficiaries is Rs 1350/ and this is about

(P.T.O.)

about 40% of the cost of the work, as estimated now. The work has been started by the villagers on 13-4-53. The estimate has been scrutinised. Information on the following is lacking:

(i) The probable depth of summer water tested with reference to existing wells nearby. In the absence of this information, the rate allowed in the estimate for sinking the well under water is not susceptible of check.

(ii) The basis for adoption of the different types of soil & sub-soil in the estimate under the item for excavation.

(iii). Comments as regards the availability of adequate supply of water at the depth proposed for the well with reference to any well in close proximity.

Subject to orders, a draft memo: asking the P.E.O., to furnish the above additional information is submitted for approval.

8-6-53

9/6/53

NS 8/6/53 9-6-53

Issued as Memo No 18131 Public (C.A. Hqrs) 53-1 D 9.6.53 p: 3 C.f.

Ref: From the P.E.O. Mangalore. Ref. C No 1420/53 B. D 30.7.53. pp: 5-6 C.f.

Please see the report from the P.E.O., Mangalore, at pp: 5-6. in C.f., in reply to the memo: at p: 3. C.f. He states that the depth of 35 ft as proposed for this well

well will suffice, as most of the wells in the locality are between 30 to 35 ft deep and that even this year, which is supposed to be the most dry year, there was water in the 32 – 33 ft deep wells. As regards the basis on which the different types of soil & sub-soil are assumed in the estimate it is stated to be on a study of the well-work in progress in the locality by a private person, and also in consultation with the local people. In the circumstances stated, the proposal may be accepted.

The estimate has been scrutinised and its amount has been altered from Rs 3350/- to Rs 3300/- due to slight corrections in rates. The contribution by the beneficiaries is Rs 1350/-. In the circumstances, the estimate may be sanctioned for Rs 1950/-. This work is stated to have been included in the approved over-all programme.

The Project Estimate of this Area provides for 33 wells at an expenditure of Rs 1:33 lakhs. So far, 12 well-works have been taken up involving a total expenditure of Rs. 20,443/-.

A draft order is submitted for approval. The two copies of the estimate may also be countersigned.

G 11/8/53

Noted in the Register of Sanctions.

A+ at p: 1.C.f.

Estimated cost. Rs 3300/-
Contribution Rs 1350/-
Amount for Contribution Rs 1950/-

Kept below

G 11/8/53

G 11/8/53

11/8/53

Issued as GoMs No 2161. Public (CP.) dt 13.8.53

(C.No.339/54) Sub:- Cls. S. Kanara Area. Drinking water Supply - Construction of a well at Ithumbe in Bantwal Kasba Village - Revised estimate

plcf Ref:- From the PED. Mangalore ref. C.No 1420/53-B dt 18.8.54

Please see the letter from the PED. Mangalore at plcf. pp 7-8 cf in (P) In G.O. No. 2161 Pub(CP) dt 13.8.53 the Construction of a well at Ithumbe was sanctioned for Rs 1950/- out of an estimated cost of Rs 3300/-. The well was to have been 35 ft deep and the hardest soil expected was disintegrated rock. But actually the total depth required was 36'-9" and hard rock requiring blasting was met with for a depth of 4'-0". Consequently the cost of the work has been enhanced to Rs 3700/-. The PED has now submitted a revised estimate for Rs 3700/- and requests sanction to an additional expenditure of Rs 236/- over and above Rs 1950 sanctioned already.

The deviation is legitimate and may normally be approved. But it may be seen from the details furnished with the revised estimate that the last 6'-9" of which 4 ft was in hard rock and 2'-9" in soft rock, was dug cf pp 3-5 of (Y) to a diameter of 11'-0". As this soil is hard enough to stand by itself without a steining, the excavation for this portion may have been restricted to a diameter of 8'-0" which is also the internal ~~diameters~~ diameter of the well. By this expedient, the masonry steining for this depth may have been avoided and the cost of the work kept within that of the Approved estimate. The PED in para 2-plcf his letter ~~stated also~~ at plcf, has stated that hard gravelley soil and disintegrated rock were met with to

below 34 ft. But the revised estimate shows that only disintegrated rock was met with. As the rates for excavation in the above classes of soil vary largely, the PEO may be asked to clarify the discrepancy before the revised estimate may be approved.

Subject to orders a draft memo is put up for Approval

14.9.54

16/9/54

~~AS~~

~~Done.~~

~~As far as possible, return of estimates with [illegible] queries like disp~~

Revised Estimate sanctd.

Point out the suggestions and ask P.E.O to look to these in all estimates.

17.9.54

A draft memo approving the revised estimate is put up for Approval

The revised estimate may also be Countersigned

2 Copies kept below

21.9.54

21/9/54

~~AS~~

25.9.54